



SPECIAL FILES
SONDERFEILEN
LIMAS ESPECIAIS



015 - Lead Float Hand - Zinnfeilen Flach - Paralela para Metais Macios



Special File cut on both sides. One edge cut. For filing soft metals.

Für Weich und Leichtmetalle.

Lima paralela para desbastar metais macios. Picado especial nas 2 faces e um canto picado.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	15,0 x 3,5	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,85	1,75	3,20	5,10	-	-
Ordering Codes								
Cut 0 - Coarse	-	-	0150150	0150200	0150250	0150300	-	-
Matching Aecessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970984	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

019 - Aluminium Flat - Aluminium Flachspitz - Chata para Metais Macios



Special File cut on both sides. Both edges cut. For filing soft metals.

Für Aluminium und andere Leichtmetalle.

Lima chata para desbastar metais macios. Picado especial nas 2 faces e 2 cantos picados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	15,0 x 3,5	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,81	1,66	3,05	4,85	-	-
Ordering Codes								
Cut 0 - Coarse	-	-	0190150	0190200	0190250	0190300	-	-
Matching Aecessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970984	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

016 - Lead Float Half Round -
Zinnfeilen Halbrund - Meia Cana p/ Metais Macios


Half round file with Special File cut. For filing soft metals.

Für Weich und Leichtmetalle.

Lima meia cana para desbastar metais macios. Picado especial.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	15,0 x 4,0	20,0 x 5,5	24,0 x 7,0	29,0 x 8,2	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,60	1,50	2,90	5,30	-	-
Ordering Codes								
Cut 0 - Coarse	-	-	0160150	0160200	0160250	0160300	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970984	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

010 - Hand Finishing - Dreher -
Paralela para Torno

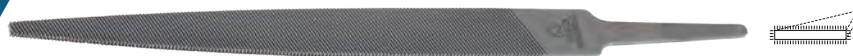

File for finishing and smoothening surfaces. Particularly suitable for Lathe work

Für Putz und Entgratarbeiten an der Drehbank

Lima paralela para acabamentos de trabalhos de torno.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	-	24,0 x 6,0	29,0 x 6,5	33,5 x 7,5	37,5 x 8,5
Normal Packaging								
CardBoard Box	-	-	-	-	12 files	12 files	6 files	6 files
Dz / Kg	-	-	-	-	3,20	5,20	7,90	12,00
Ordering Codes								
Cut 2 - Second	-	-	-	-	0102250	0102300	0102350	0102400
Cut 3- Smooth	-	-	-	-	0103250	0103300	0103350	0103400
Cut 4- DeadSmoth	-	-	-	-	0104250	0104300	0104350	0104400
Matching Acessories								
Card Sleeve	-	-	-	-	0937250	0937300	0937350	-
Plastic Pouch	-	-	-	-	0927250	0927300	0927350	-
Rubber Handle	-	-	-	-	0970988	0970989	0970989	-
Wooden Handle	-	-	-	-	0967140	0967160	0967160	-

020 - Warding - Raumfeile - Lanceteiras



Thinner than normal flat files to reach difficult zones. Both sides single cut. Both edges cut.

Dünnere als eine Flachfeile, gut für schwer zugängliche Stellen, einhiebig.

Lima chata mais fina para zonas de difícil acesso. Picado simples em ambas as faces. Dois cantos picados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	11,0 x 1,4	14,0 x 1,7	16,0 x 2,0	20,0 x 2,5	-	-	-	-
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,14	0,23	0,37	0,79	-	-	-	-
Ordering Codes								
Cut 1 - Bastard	0201100	0201125	0201150	0201200	-	-	-	-
Cut 2 - Second	0202100	0202125	0202150	0202200	-	-	-	-
Cut 3 - Smooth	0203100	0203125	0203150	0203200	-	-	-	-
Matching Accessories								
Card Sleeve	0937100	0937150	0937150	0937200	-	-	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	-	-	-	-
Rubber Handle	0970981	0970983	0970983	0970984	-	-	-	-
Wooden Handle	0967080	0967100	0967120	0967120	-	-	-	-

130 /131 - Olive Leaf - OliveFeile -
Folha de Oliveira


Much thinner than normal flat files to reach difficult zones. Both sides single cut. Both edges cut.

Sehr dünne Flachfeile, einhiebig, gut für schwer zugängliche Stellen.

Lima chata muito fina para zonas de difícil acesso. Picado simples em ambas as faces. Dois cantos picados.

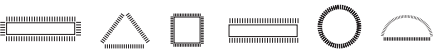
Length & Cross Sections								
Length	100 mm	100 mm	150 mm	175 mm	200 mm	250 mm	300 mm	400 mm
Cross section	16,0 x 1,0	16,0 x 1,5	-	-	-	-	-	-
Normal Packaging								
CardBoard Box	12 files	12 files	-	-	-	-	-	-
Dz / Kg	0,16	0,22	-	-	-	-	-	-
Ordering Codes								
Cut 1 - Bastard	1302100	-	-	-	-	-	-	-
Cut 2 - Second	-	1312100	-	-	-	-	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Accessories								
Card Sleeve	0937100	0937100	-	-	-	-	-	-
Plastic Pouch	0927100	0927100	-	-	-	-	-	-
Rubber Handle	0970983	0970983	-	-	-	-	-	-
Wooden Handle	0967080	0967080	-	-	-	-	-	-

022/030 - Key Files - Schlüsselfeilen -
Limas para Chaveiros

Files for key makers. Supplied with handle.

Schlüsselfeilen mit Griff.

Limas para chaveiro. Fornecido com cabo



Length & Cross Sections							
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm
Cross section	-	-	-	-	-	-	-
Normal Packaging							
CardBoard Box	6 files	-	-	-	-	-	-
Dz / Kg	0,07	-	-	-	-	-	-
Ordering Codes							
022 - Flat	0222100	-	-	-	-	-	-
023 - Threesquare	0232100	-	-	-	-	-	-
024 - Square	0242100	-	-	-	-	-	-
027 - Hand	0272100	-	-	-	-	-	-
028 - Round	0282100	-	-	-	-	-	-
029 - Half Round	0292100	-	-	-	-	-	-
030 - Set 6 Shapes	0302100	-	-	-	-	-	-
Matching Acessories							
Card Sleeve	-	-	-	-	-	-	-
Plastic Pouch	0967060	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-



035 / 036 - Contact Point - Kontaktfellen -
Lima para Platinados



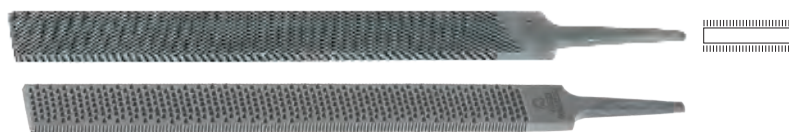
Contact Point File, File cut on both sides. No edge cut. Cut 3.

Kontaktfellen, Kanten ohne Hieb. Cut 3.

Lima para platinados. Picado Murço nas duas faces. Cantos sem picado.

Length & Cross Sections							
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm
Cross section	-	-	-	-	-	-	-
Normal Packaging							
CardBoard Box	-	-	12 files	-	-	-	-
Dz / Kg	-	-	0,14	-	-	-	-
Ordering Codes							
035	-	-	0353150	-	-	-	-
036 - Set 6 files in pouch	-	-	0363150	-	-	-	-
Matching Accessories							
Card Sleeve	-	-	-	-	-	-	-
Plastic Pouch	-	-	0837100	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-

286 - File Rasp - Feilraspel - Lima Grossa



One side rasp cut, one side file cut. 1 Edge cut.

Eine Seite Raspel, eine Seite Feile. Ein Kantenhieb.

Uma face picado de lima e uma face picado de grossa. 1 Canto picado.

Length & Cross Sections							
Length	100 mm	125 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	20,0 x 6,00	-	-	-	-
Normal Packaging							
CardBoard Box	-	-	12 files	-	-	-	-
Dz / Kg	-	-	4,28	-	-	-	-
Ordering Codes							
Cut 2	-	-	2862200	-	-	-	-
Matching Accessories							
Card Sleeve	-	-	0937200	-	-	-	-
Plastic Pouch	-	-	0927200	-	-	-	-
Rubber Handle	-	-	0970984	-	-	-	-
Wooden Handle	-	-	0967120	-	-	-	-

658/661 - Thread Restoring - Gewindefeilen



Precision hand tool for restoring all thread - male and female.
Präzisions-Handwerkzeug zum Wiederherstellen aller Aussen- und Innengewinde.
Lima de precisão para reparar roscas interiores e exteriores.

Length & Cross Sections						
Length	150 mm	200 mm	230 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	-	-	-

Normal Packaging						
Plastic Box	-	-	1 file	-	-	-

Ordering Codes						
ISO(metrisch)	-	-	6607250	-	-	-
WW (withworth)	-	-	6617250	-	-	-
UNF - UNC - SAE	-	-	6597250	-	-	-
GAS (GBS)	-	-	6587250	-	-	-

Standard ISO(METRISCH)		Standard WW(withworth)			Sonderausführung UNF-UNC		
Steigung	Metrich Gewinde mm	Gänge por Zöll	WW Gewinde	B.S.F. Gewinde	Gänge per Zöll	UNF - Gew.(NF)	UNC - Gew (NC)
0,80	5	24	3/16	-	24	3/8,5/16	-
1,00	6 + 7	10	1/4	3/8	20	1/2,7/16	1/4
1,25	8 + 9	18	5/16	7/16	18	9/16,5/8	
1,50	10 + 11	16	3/8	1/2,9/16	16	3/4	3/8
1,75	12	14	7/16	5/8	14	1,7/8	
2,00	14 + 16	12	1/2,9/16	3/4	13	-	1/2
2,50	18,20,22	11	5/8	7/8	12		
3,00	24 + 27	10	3/4	1	11	-	5/8
Standard ISO(metrisch) Standard WW (withworth) 1/8 1/4 3/8 1/2 5/8 3/4 7/8 1							

